

FIG. 1

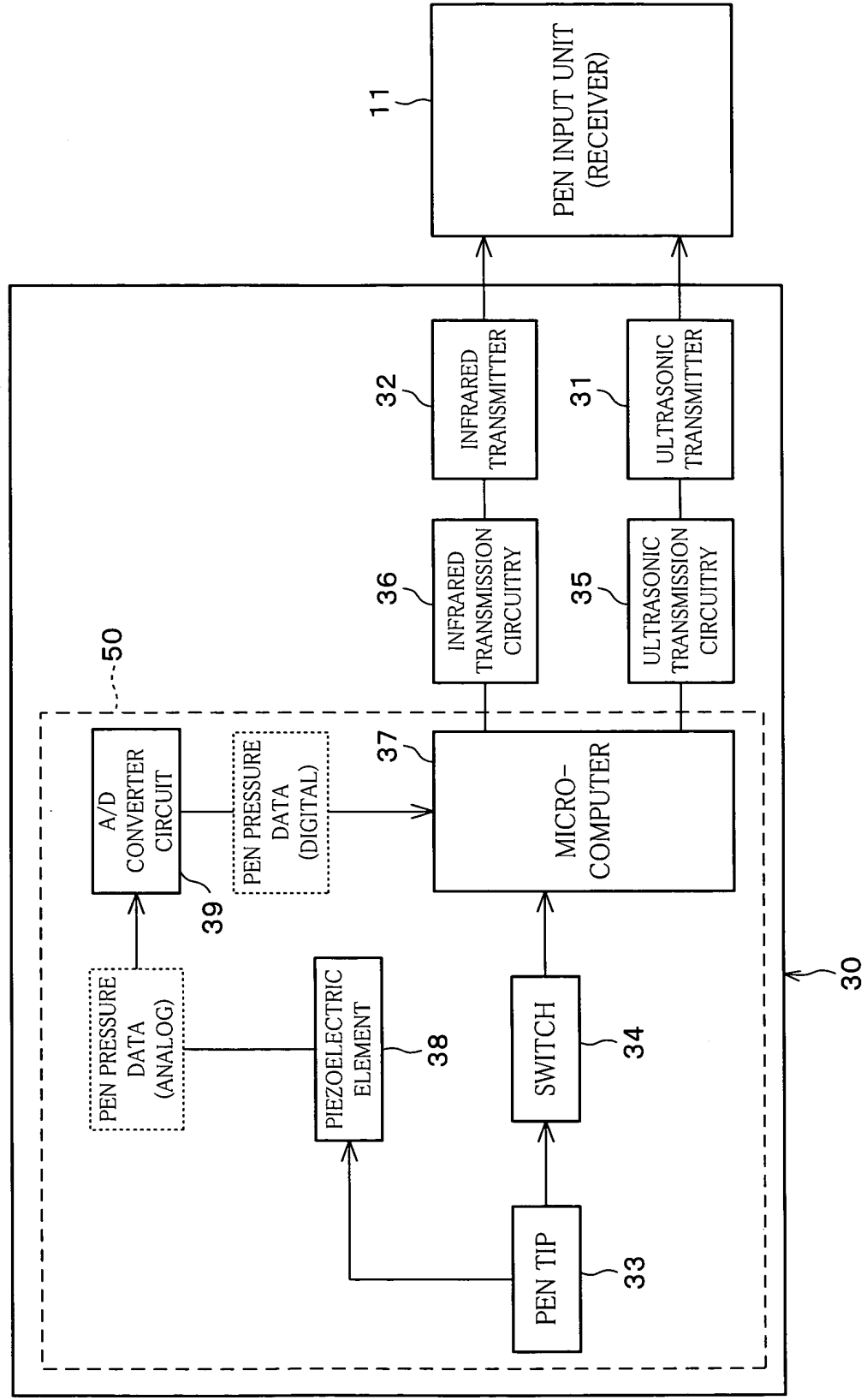


FIG. 2

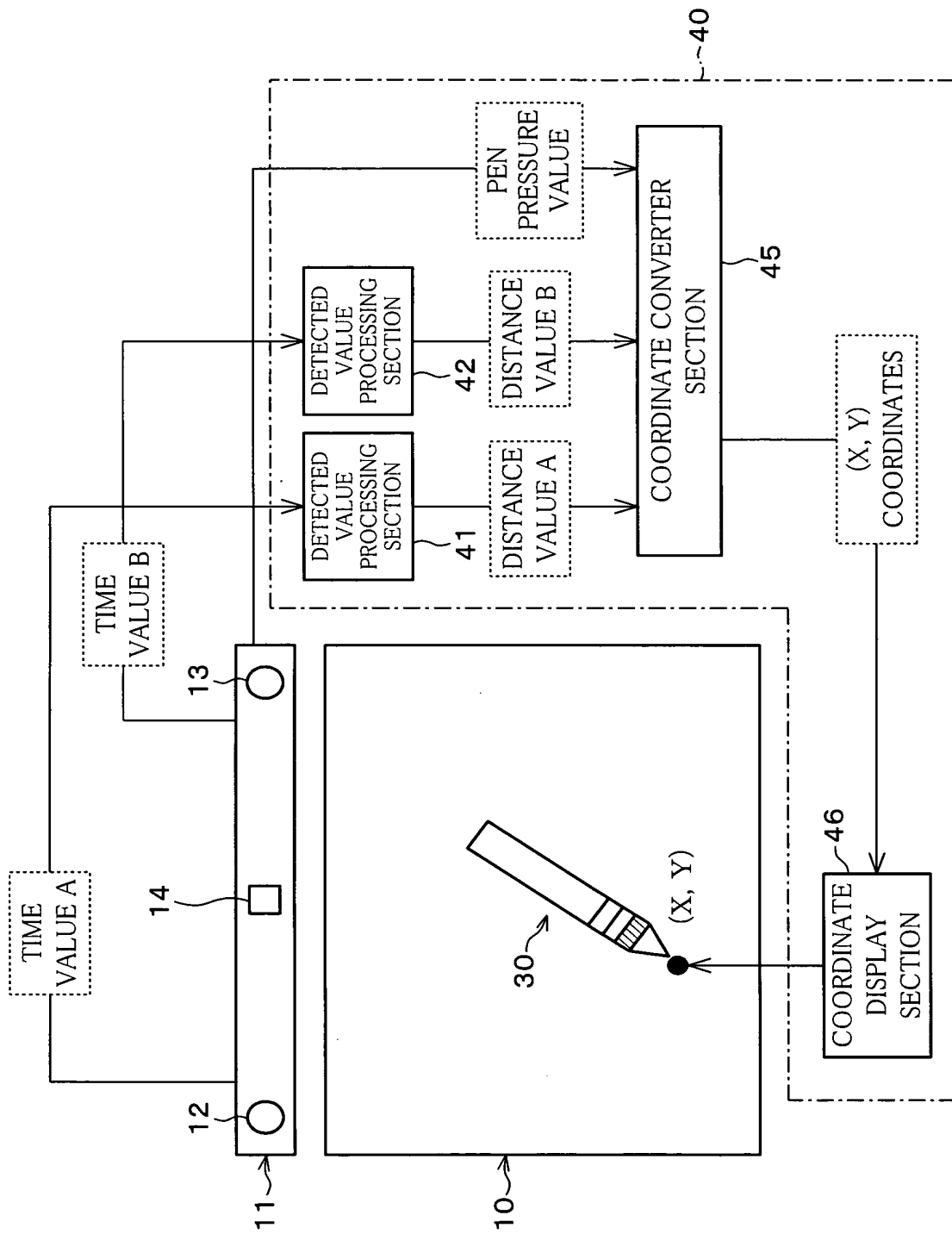


FIG. 3

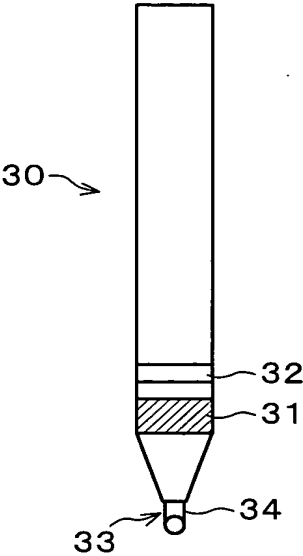


FIG. 4

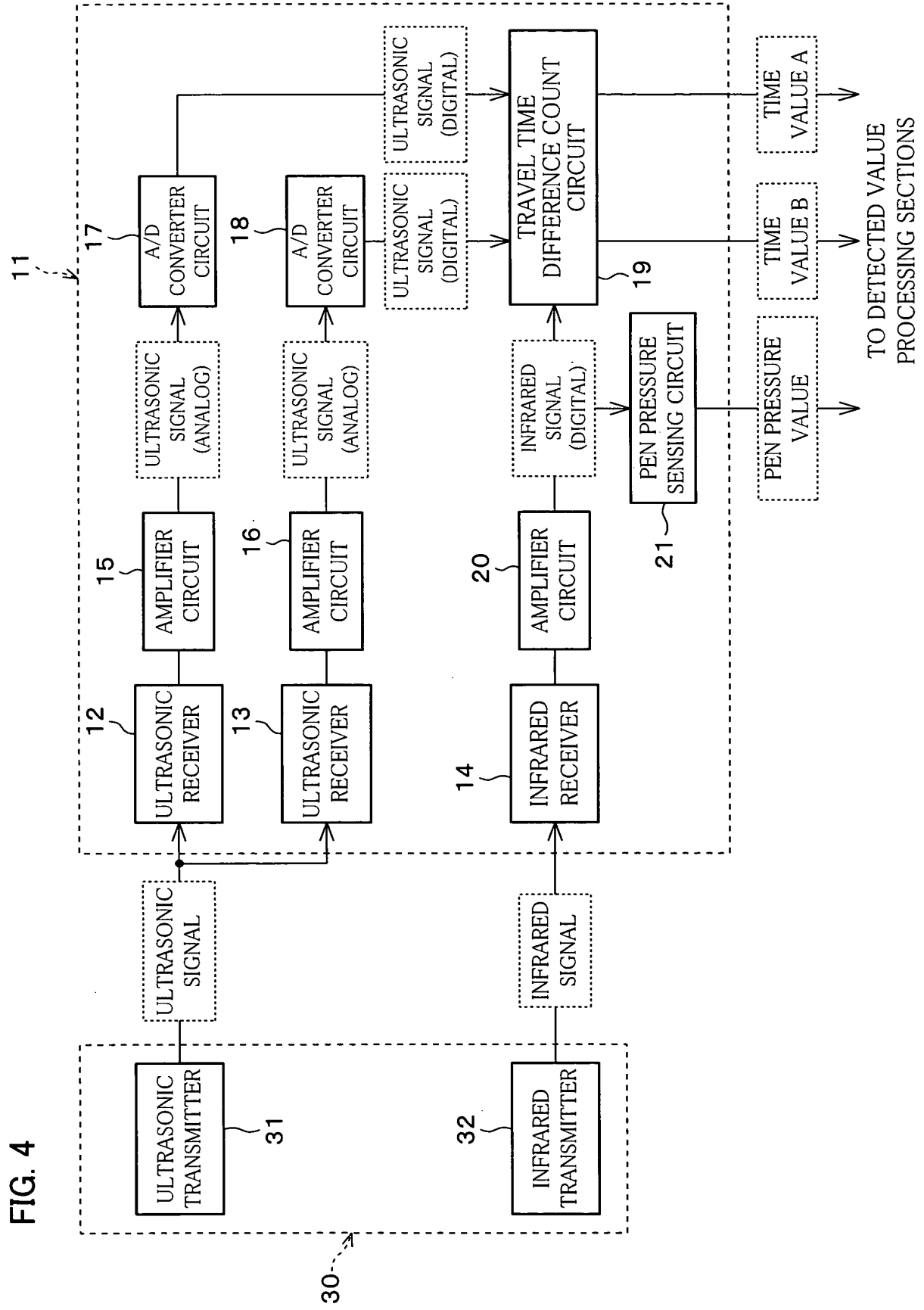


FIG. 5 (a)

INFRARED LIGHT TRANSMISSION
WAVEFORM (DIGITAL),
LOW PEN PRESSURE

PEN PRESSURE
INFO.

FIG. 5 (b)

INFRARED LIGHT TRANSMISSION
WAVEFORM (DIGITAL),
INTERMEDIATE PEN PRESSURE

PEN
PRESSURE
INFO.

FIG. 5 (c)

INFRARED LIGHT TRANSMISSION
WAVEFORM (DIGITAL),
HIGH PEN PRESSURE

PEN PRESSURE
INFO.

FIG. 6 (a)

PEN PRESSURE
INFO.

INFRARED LIGHT
TRANSMISSION WAVEFORM/
INFRARED LIGHT RECEPTION
WAVEFORM (DIGITAL),

FIG. 6 (b)

ULTRASONIC SOUND
RECEPTION WAVEFORM
(DIGITAL)

TRAVEL TIME
DIFFERENCE

FIG. 7 (a)

INFRARED LIGHT TRANSMISSION
WAVEFORM (DIGITAL),
LOW PEN PRESSURE

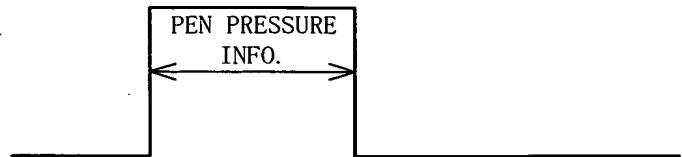


FIG. 7 (b)

INFRARED LIGHT TRANSMISSION
WAVEFORM (DIGITAL),
INTERMEDIATE PEN PRESSURE

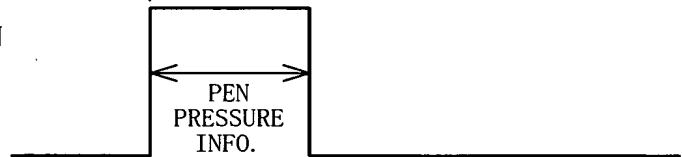


FIG. 7 (c)

INFRARED LIGHT TRANSMISSION
WAVEFORM (DIGITAL),
HIGH PEN PRESSURE

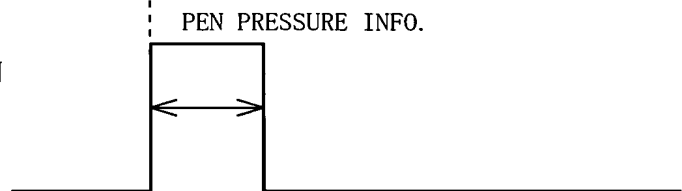


FIG. 8 (a)

INFRARED LIGHT TRANSMISSION
WAVEFORM (DIGITAL),
LOW PEN PRESSURE

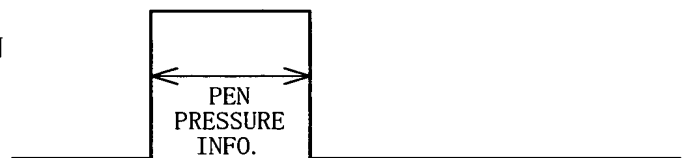


FIG. 8 (b)

INFRARED LIGHT TRANSMISSION
WAVEFORM (DIGITAL),
INTERMEDIATE PEN PRESSURE

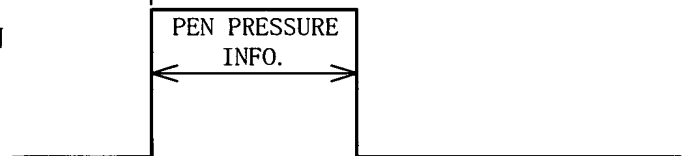


FIG. 8 (c)

INFRARED LIGHT TRANSMISSION
WAVEFORM (DIGITAL),
HIGH PEN PRESSURE

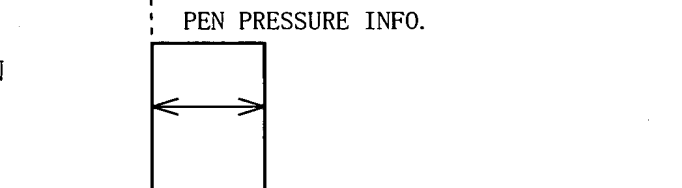


FIG. 9 (a)



FIG. 9 (b)

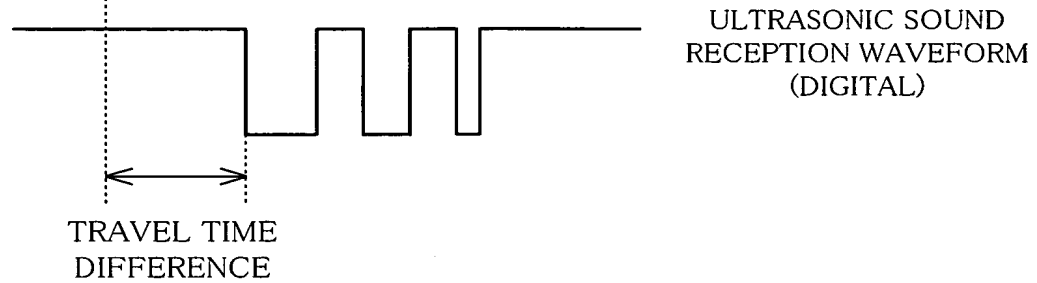


FIG. 10 (a)

INFRARED LIGHT TRANSMISSION
WAVEFORM (DIGITAL),
LOW PEN PRESSURE

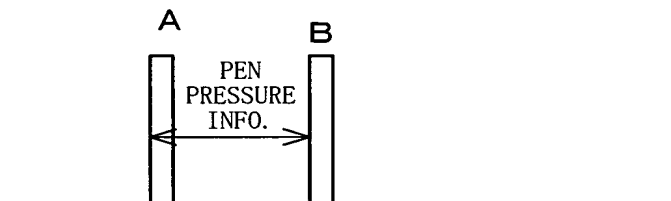


FIG. 10 (b)

INFRARED LIGHT TRANSMISSION
WAVEFORM (DIGITAL),
INTERMEDIATE PEN PRESSURE

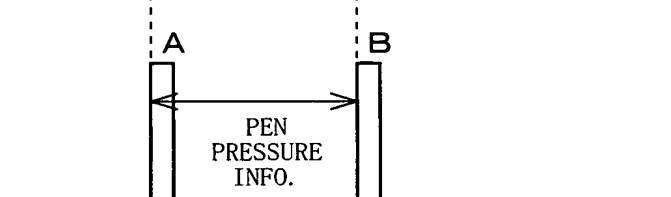
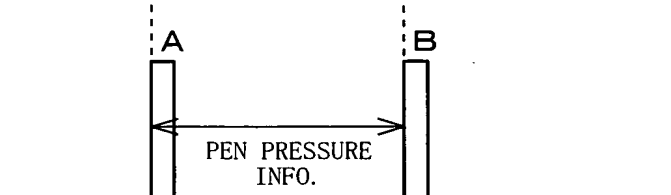


FIG. 10 (c)

INFRARED LIGHT TRANSMISSION
WAVEFORM (DIGITAL),
HIGH PEN PRESSURE



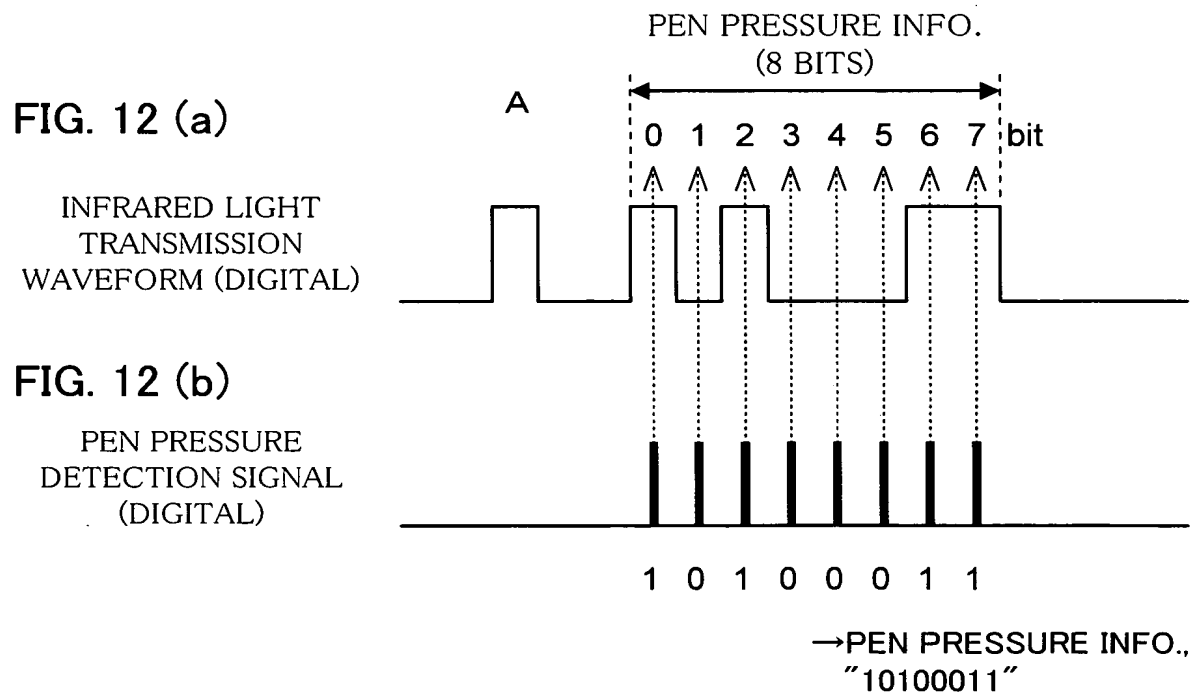
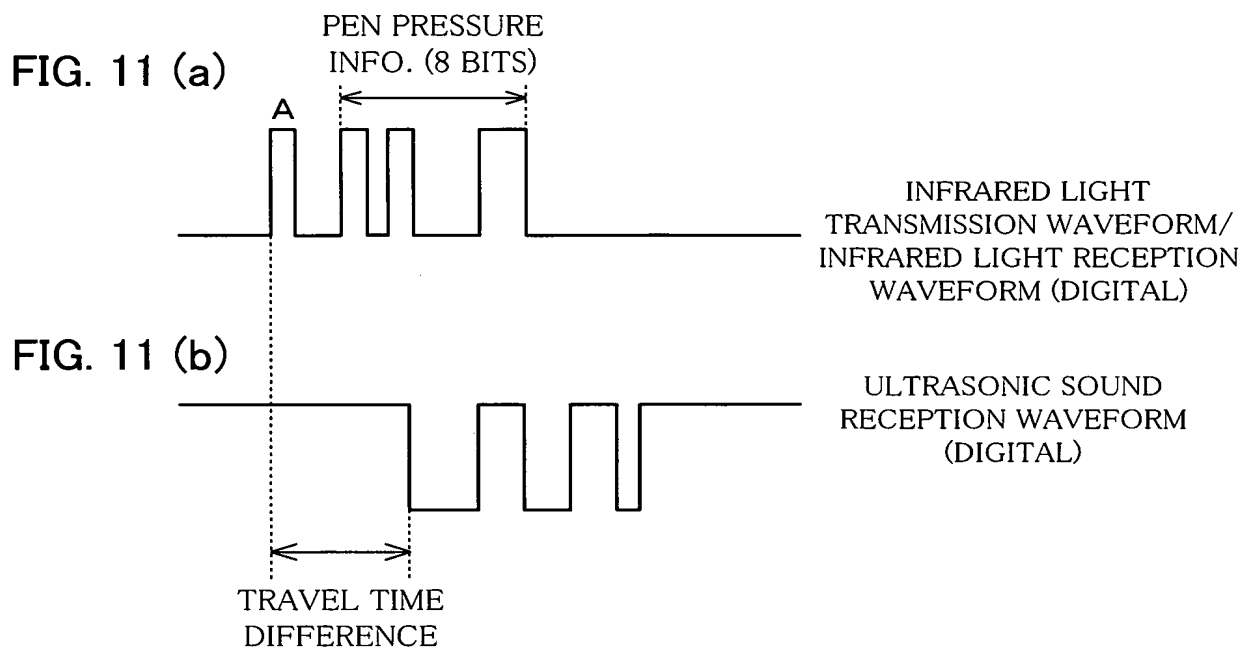


FIG. 13 (a)

INFRARED LIGHT
TRANSMISSION
WAVEFORM (DIGITAL)

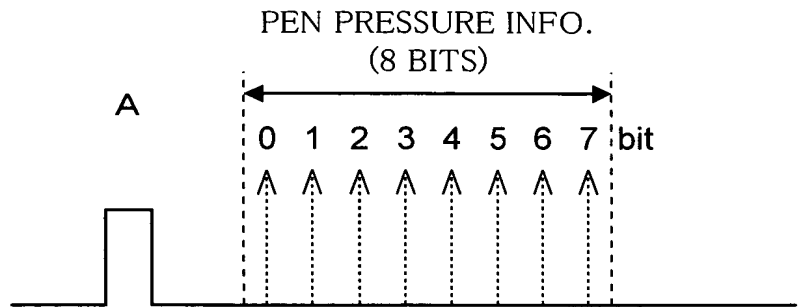


FIG. 13 (b)

PEN PRESSURE
DETECTION SIGNAL
(DIGITAL)

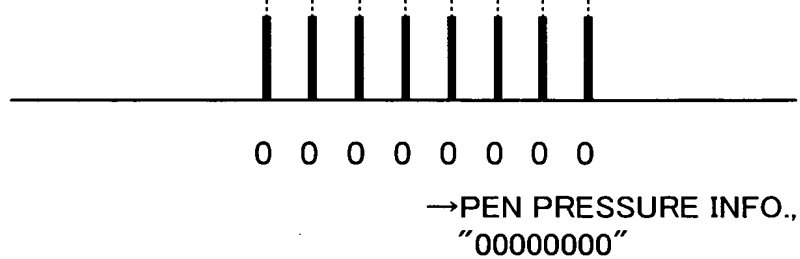


FIG. 14 (a)

INFRARED LIGHT
TRANSMISSION
WAVEFORM (DIGITAL)

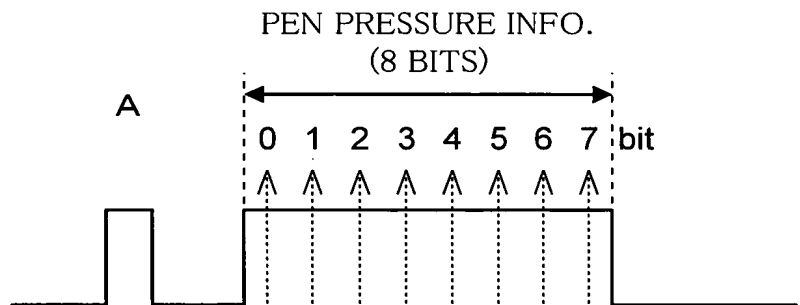


FIG. 14 (b)

PEN PRESSURE
DETECTION SIGNAL
(DIGITAL)

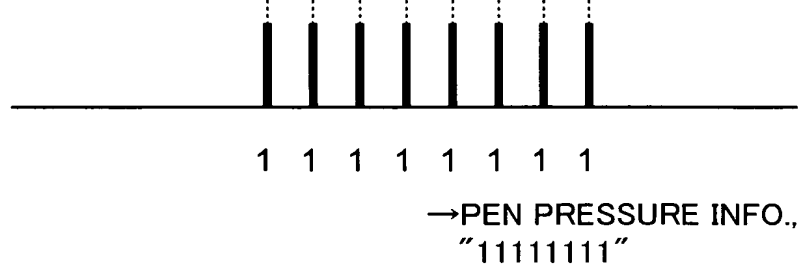


FIG. 15 (a)

INFRARED LIGHT TRANSMISSION
WAVEFORM (DIGITAL),
8 GRAYSCALE LEVELS

PULSE WIDTH REQUIRED
TO TRANSMIT ENTIRE PEN
PRESSURE INFO.

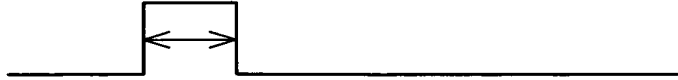


FIG. 15 (b)

INFRARED LIGHT TRANSMISSION
WAVEFORM (DIGITAL),
16 GRAYSCALE LEVELS



FIG. 15 (c)

INFRARED LIGHT TRANSMISSION
WAVEFORM (DIGITAL),
32 GRAYSCALE LEVELS

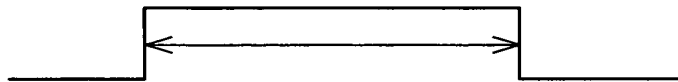


FIG. 16 (a)

INFRARED LIGHT TRANSMISSION
WAVEFORM (DIGITAL),
8 GRAYSCALE LEVELS

PULSE-TO-PULSE INTERVAL
REQUIRED TO TRANSMIT
ENTIRE PEN PRESSURE INFO.



FIG. 16 (b)

INFRARED LIGHT TRANSMISSION
WAVEFORM (DIGITAL),
16 GRAYSCALE LEVELS

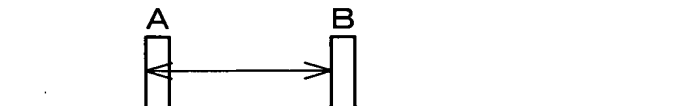


FIG. 16 (c)

INFRARED LIGHT TRANSMISSION
WAVEFORM (DIGITAL),
32 GRAYSCALE LEVELS

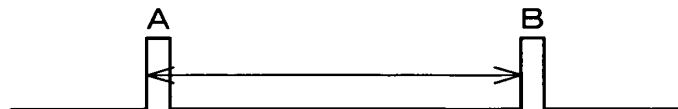


FIG. 17 (a)

INFRARED LIGHT TRANSMISSION
WAVEFORM (DIGITAL),
8 GRAYSCALE LEVELS (3 BITS)

BIT SIGNAL PULSE WIDTH
REQUIRED TO TRANSMIT
ENTIRE PEN PRESSURE INFO.



FIG. 17 (b)

INFRARED LIGHT TRANSMISSION
WAVEFORM (DIGITAL),
16 GRAYSCALE LEVELS (4 BITS)



FIG. 17 (c)

INFRARED LIGHT TRANSMISSION
WAVEFORM (DIGITAL),
32 GRAYSCALE LEVELS (5 BITS)



FIG. 18 (a)

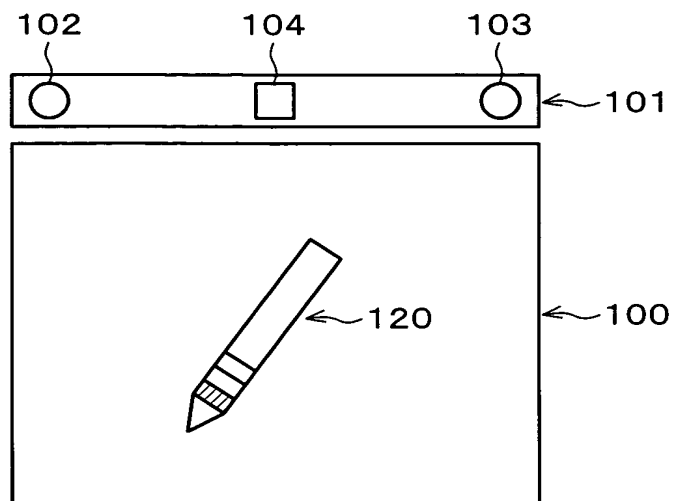


FIG. 18 (b)

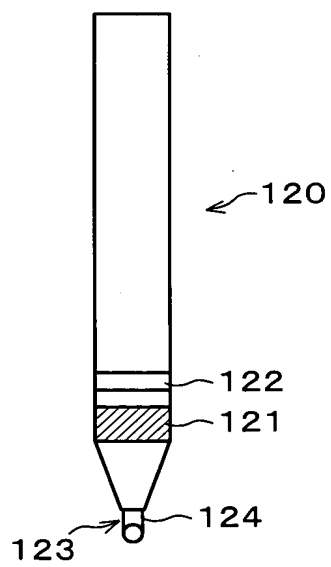


FIG. 19

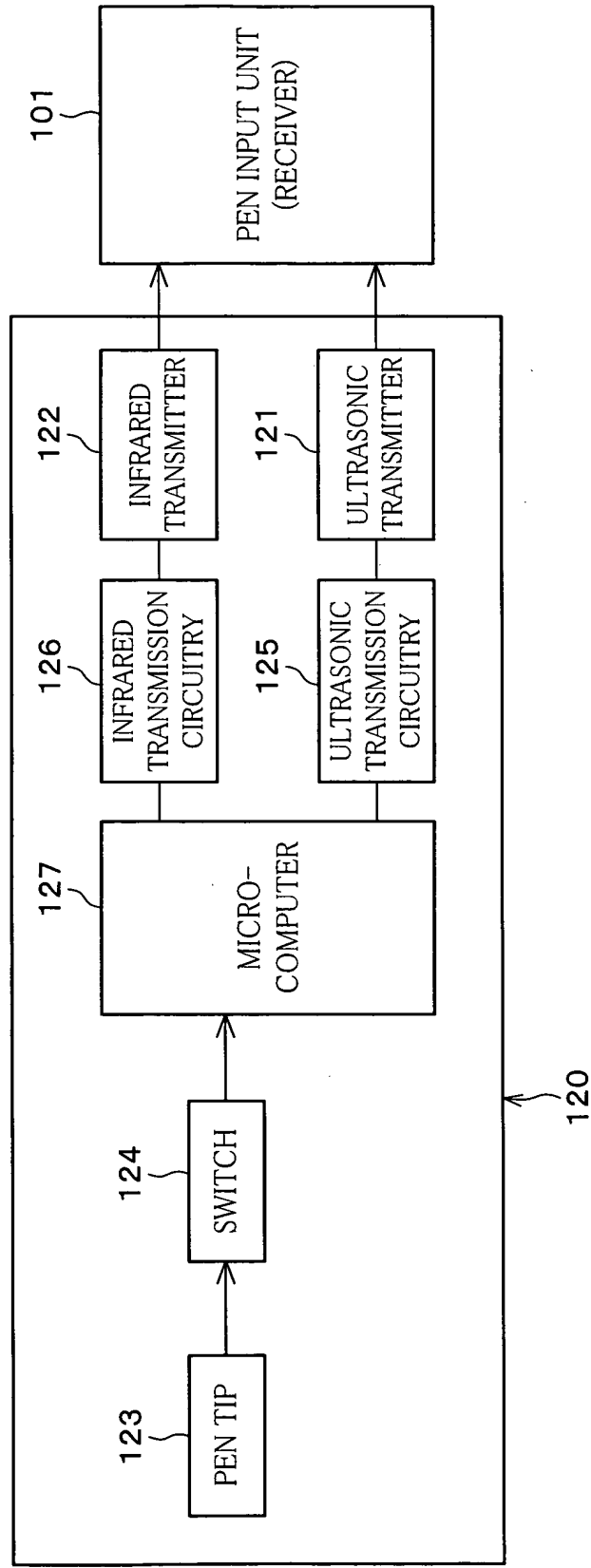


FIG. 20

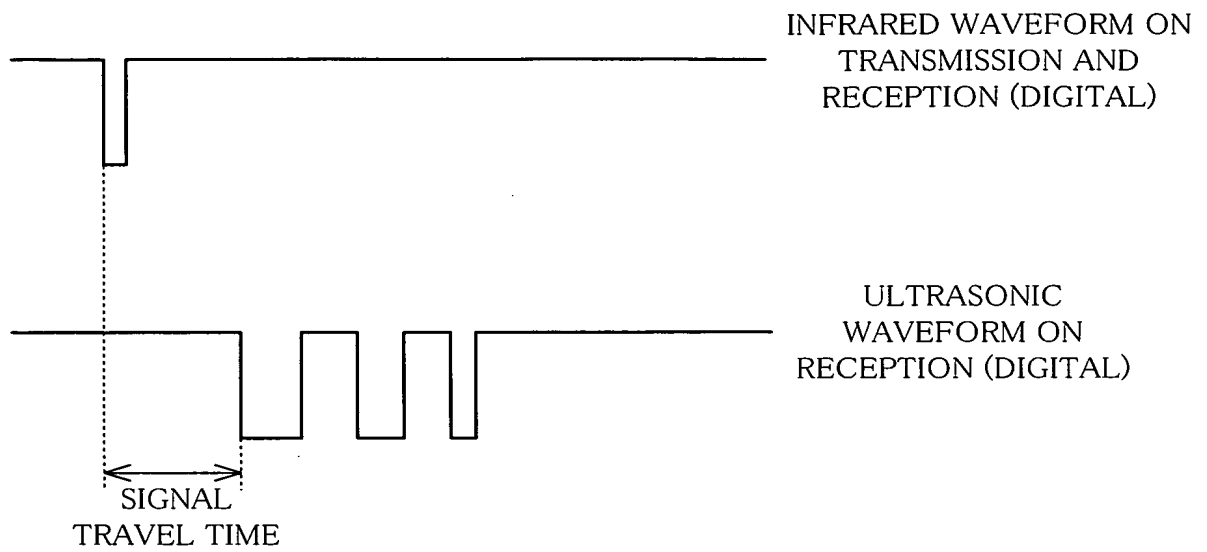


FIG. 21

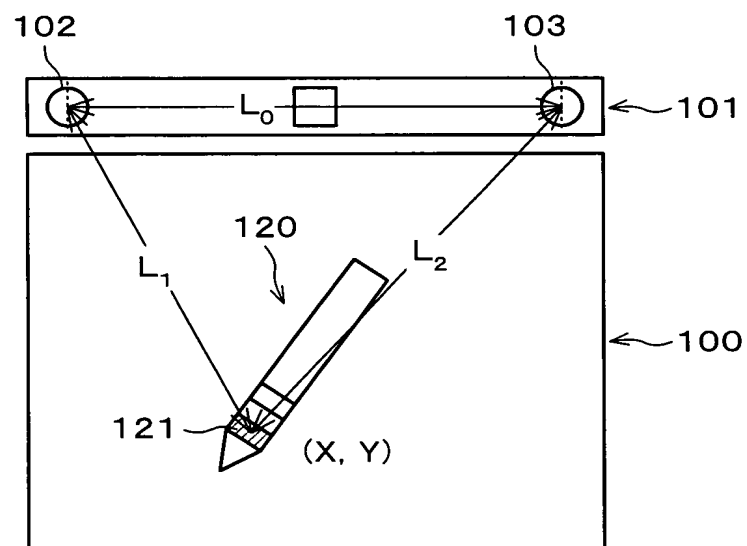


FIG. 22

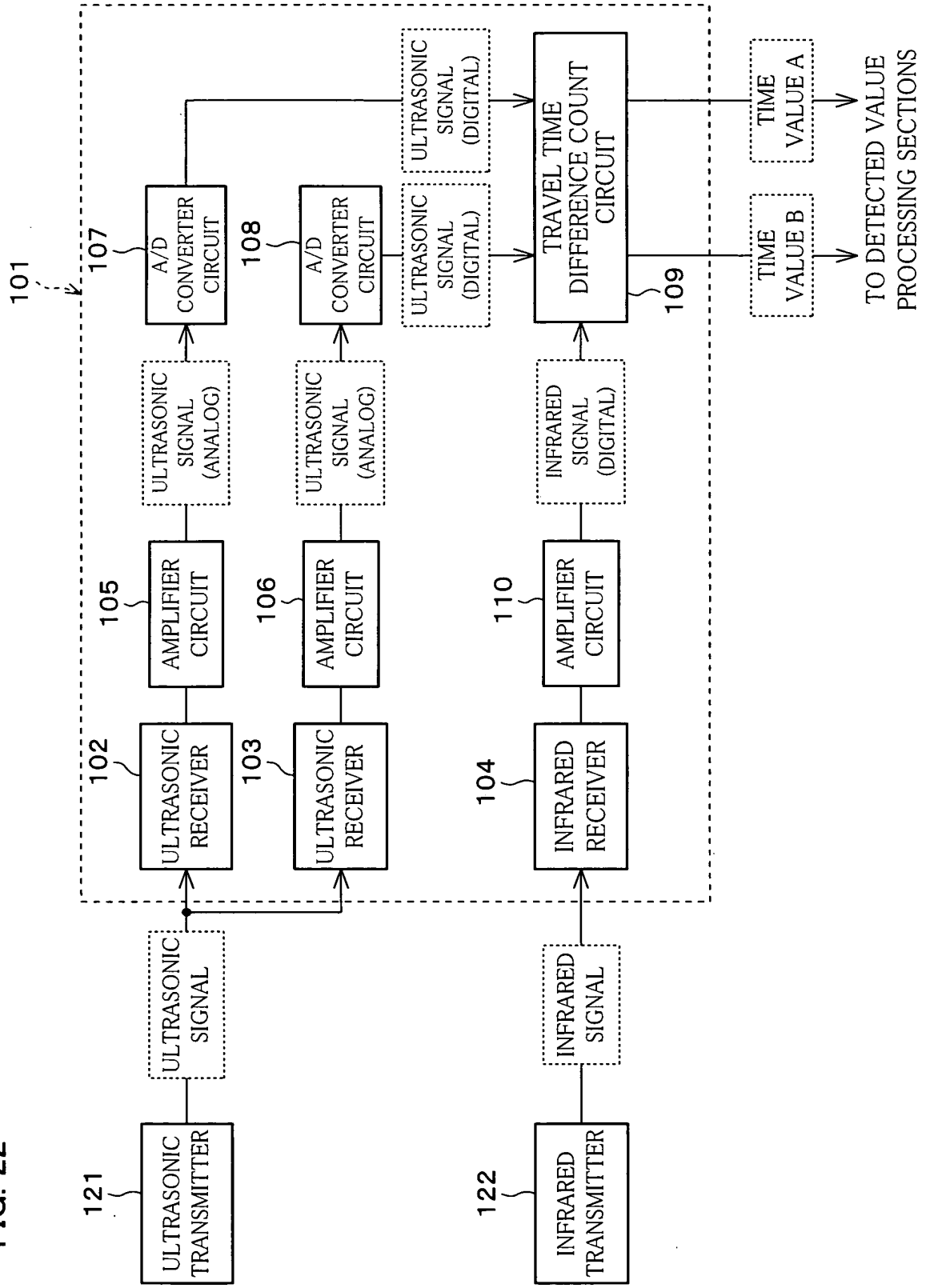


FIG. 23

